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☐ 1. Document ID: WO 9749100 A1 , AU 9735692 A, EP 912981 A1

Entry 1 of 1 File: DWPI Dec 24, 1997

DERWENT-ACC-NO: 1998-063392
DERWENT-WEEK: 199943

TITLE: High oleic acid tri:glyceride compositions, for insulating fluids - comprises oleic acid, di:unsaturated fatty acid, tri:unsaturated fatty acid and saturated fatty acid all having specified number of carbon

INVENTOR: CLAIBORNE, C C; OOMMEN, T V

PATENT-ASSIGNEE: ABB POWER T & D CO INC[ALLM]

PRIORITY-DATA:

APPL-NO	APPL-DATE
1996US-0665721	June 18, 1996

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9749100 A1	December 24, 1997	E	023	H01B003/20
AU 9735692 A	January 7, 1998	N/A	000	H01B003/20
EP 912981 A1	May 6, 1999	E	000	H01B003/20

DESIGNATED-STATES: AU CA JP MX SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
WO 9749100A1	June 11, 1997	1997WO-US10045	N/A
AU 9735692A	June 11, 1997	1997AU-0035692	N/A
AU 9735692A	N/A	WO 9749100	Based on
EP 912981A1	June 11, 1997	1997EP-0932163	N/A
EP 912981A1	June 11, 1997	1997WO-US10045	N/A
EP 912981A1	N/A	WO 9749100	Based on

INT-CL (IPC): H01B 3/20

RELATED-ACC-NO: 1998-399401

ABSTRACTED-PUB-NO: WO 9749100A
BASIC-ABSTRACT:

A high oleic acid triglyceride composition having a dielectric strength of at least 35 KV/100 mil gap, a dissipation factor of less than 0.05% (25 deg. C), an acidity of less than 0.03 mg KOH/g, an electrical conductivity of less than 1 pS/m (25 deg. C), a flash point of at least 250 deg. C and a pour point of at least -15 deg. C, comprises fatty acid components including: (i) at least 75% oleic acid; (ii) less than 10% 16-22C di:unsaturated fatty acid; (iii) less than 3% 16-22C tri:unsaturated fatty acid; and (iv) less than 8% 16-22C saturated fatty acid.

USE - The compositions are useful in electrical apparatus, especially electrical transformers, capacitors and power cables (claimed), particularly distribution transformers, as replacements for mineral oil, silicone fluid and synthetic hydrocarbon oils.

ADVANTAGE - The biodegradable vegetable oil compositions can have a high dielectric strength, a low dissipation factor, low acidity, low electrical conductivity, high flash point, and is safe to use, even in case of oil spills.

ABSTRACTED-PUB-NO: WO 9749100A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A85 E19 H08 L03 X12
CPI-CODES: A12-E01; A12-W02; E10-G02G2; H08-D08; L03-A01B4; L03-B02D;
EPI-CODES: X12-B; X12-C09; X12-E02A;

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Image

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☐ 1. Document ID: JP 52025298 A

Entry 1 of 1 File: DWPI Feb 25, 1977

DERWENT-ACC-NO: 1977-24555Y
DERWENT-WEEK: 197714

TITLE: More efficient electrically-insulating ester oil - obtd. by absorptive treatment with acid clay under reduced press.

PATENT-ASSIGNEE: NISSHIN ELECTRICAL KK[NDEN]

PRIORITY-DATA:

APPL-NO	APPL-DATE
1975JP-0100856	August 19, 1975

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 52025298 A	February 25, 1977	N/A	000	N/A

INT-CL (IPC): C11B 0/00; H01B 0/00

ABSTRACTED-PUB-NO: JP52025298A
BASIC-ABSTRACT:

By treating electrically-insulating ester oil under reduced press. using clay as absorbent, dielectric tangent and insulating resistance may be improved.

ABSTRACTED-PUB-NO: JP52025298A
EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: H08 X12
CPI-CODES: H04-E07;

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jp-52025298-$.did.	1